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## **MQ Photonics Research Centre Seminar**

**Wednesday, 1 December 2021, 2:00 pm (Sydney time)**  
(Zoom link: <https://macquarie.zoom.us/j/85829287435>)

**Technologies for astronomical multi-object spectroscopy**

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### **Abstract:**

Fibre optic multi-object spectrographs have been used in astronomy for many decades on many telescopes to collect the spectra of millions of stars and galaxies for a wide range of science cases. In this talk I will present a review of the current status of the field in terms of the key technical components for multi-object spectrographs: fibre positioners, fibres systems, and spectrographs. I will describe the future directions required for the next generation of facilities and also highlight potential areas where photonic solutions are likely to offer advantages.